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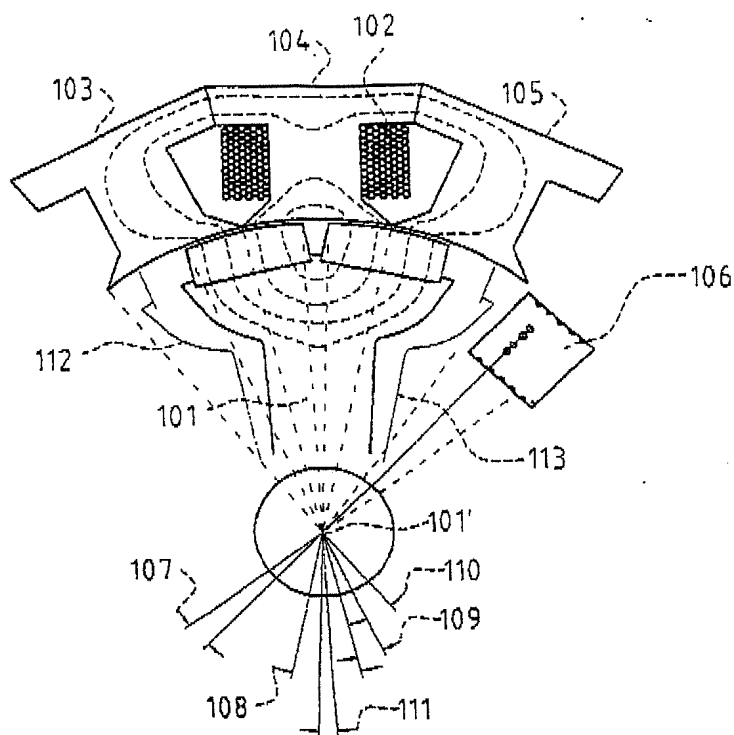


Fig 1

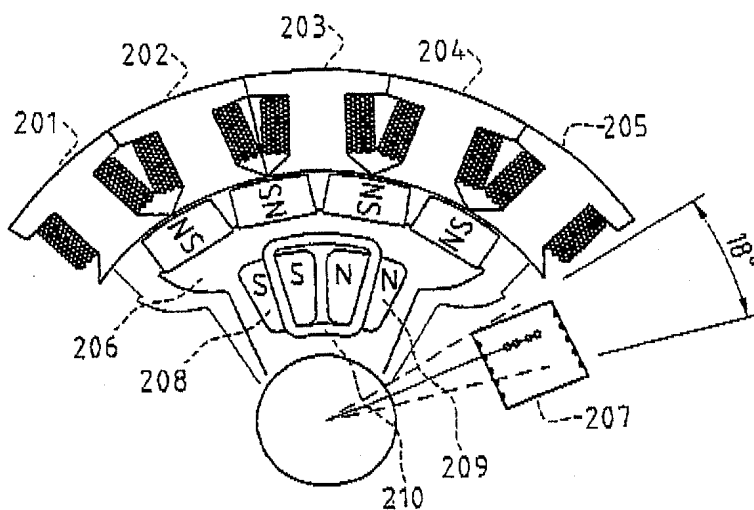


Fig 2

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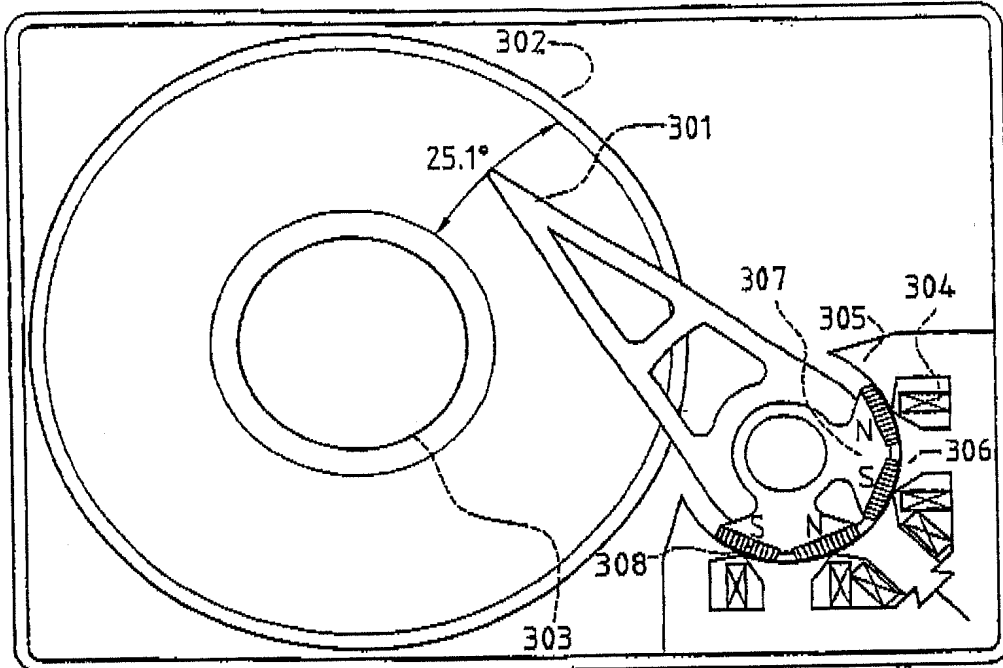


Fig 3

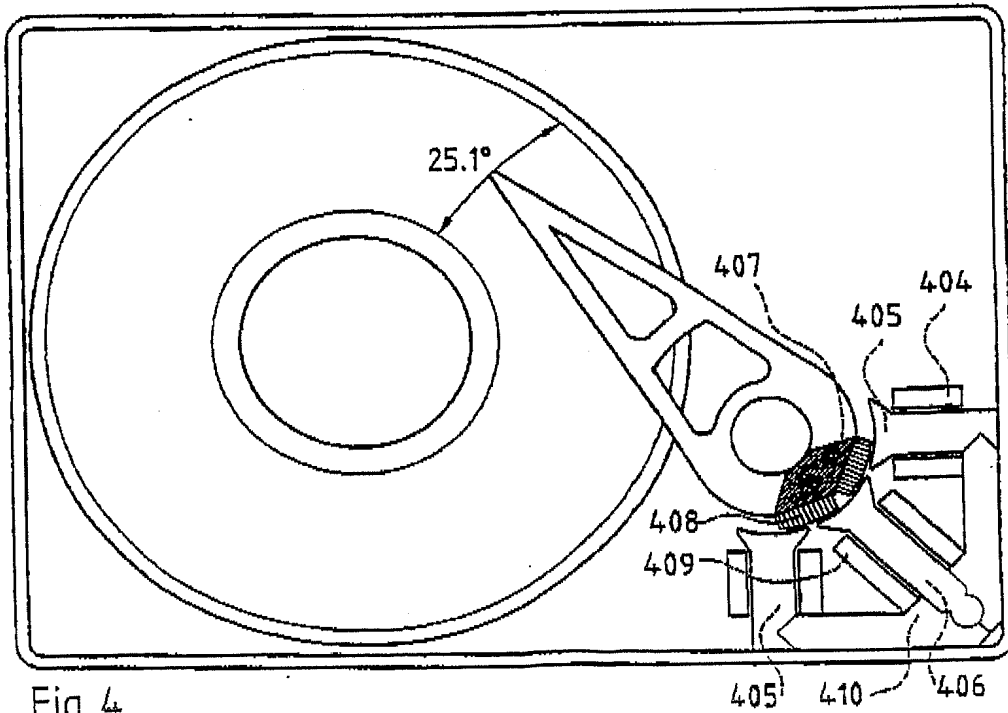
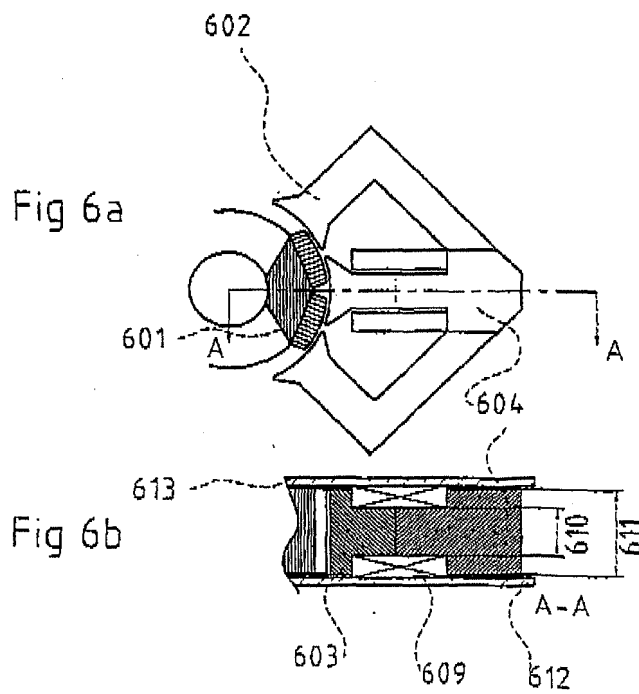
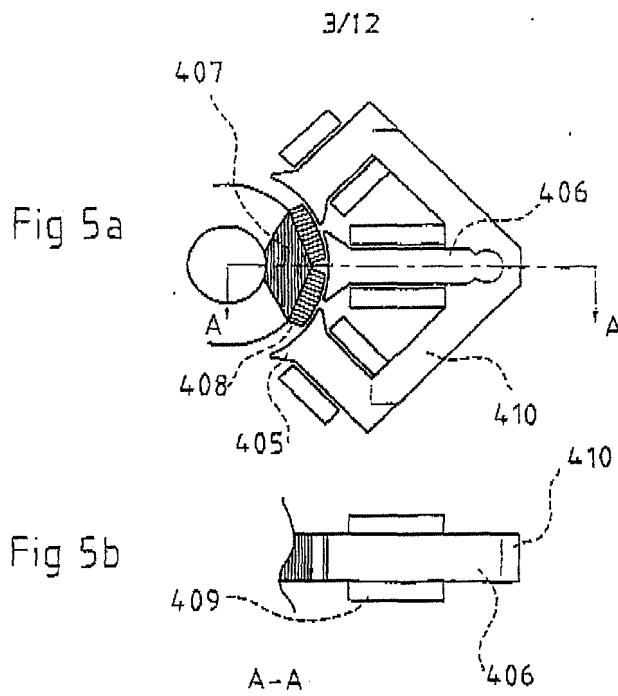
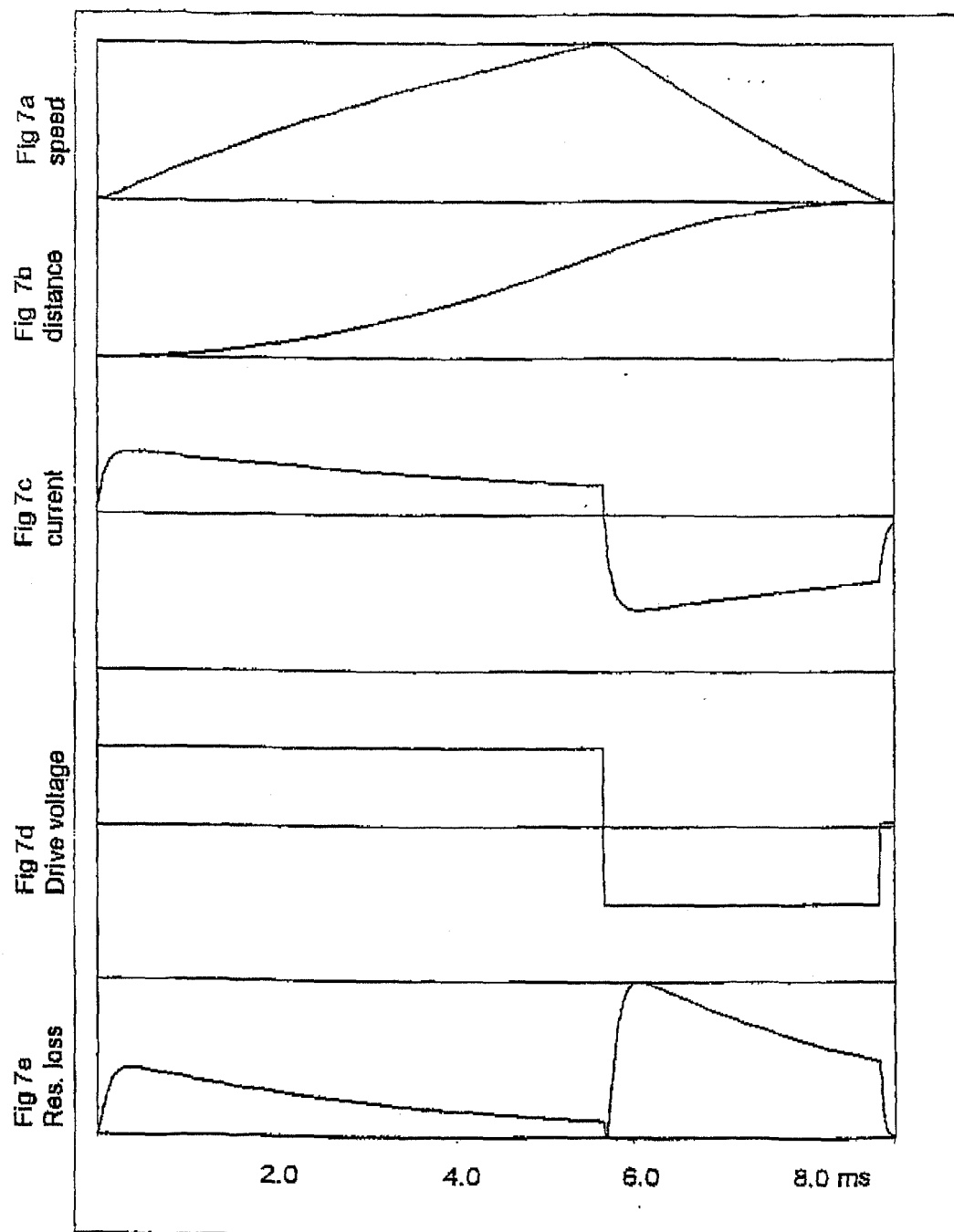


Fig 4



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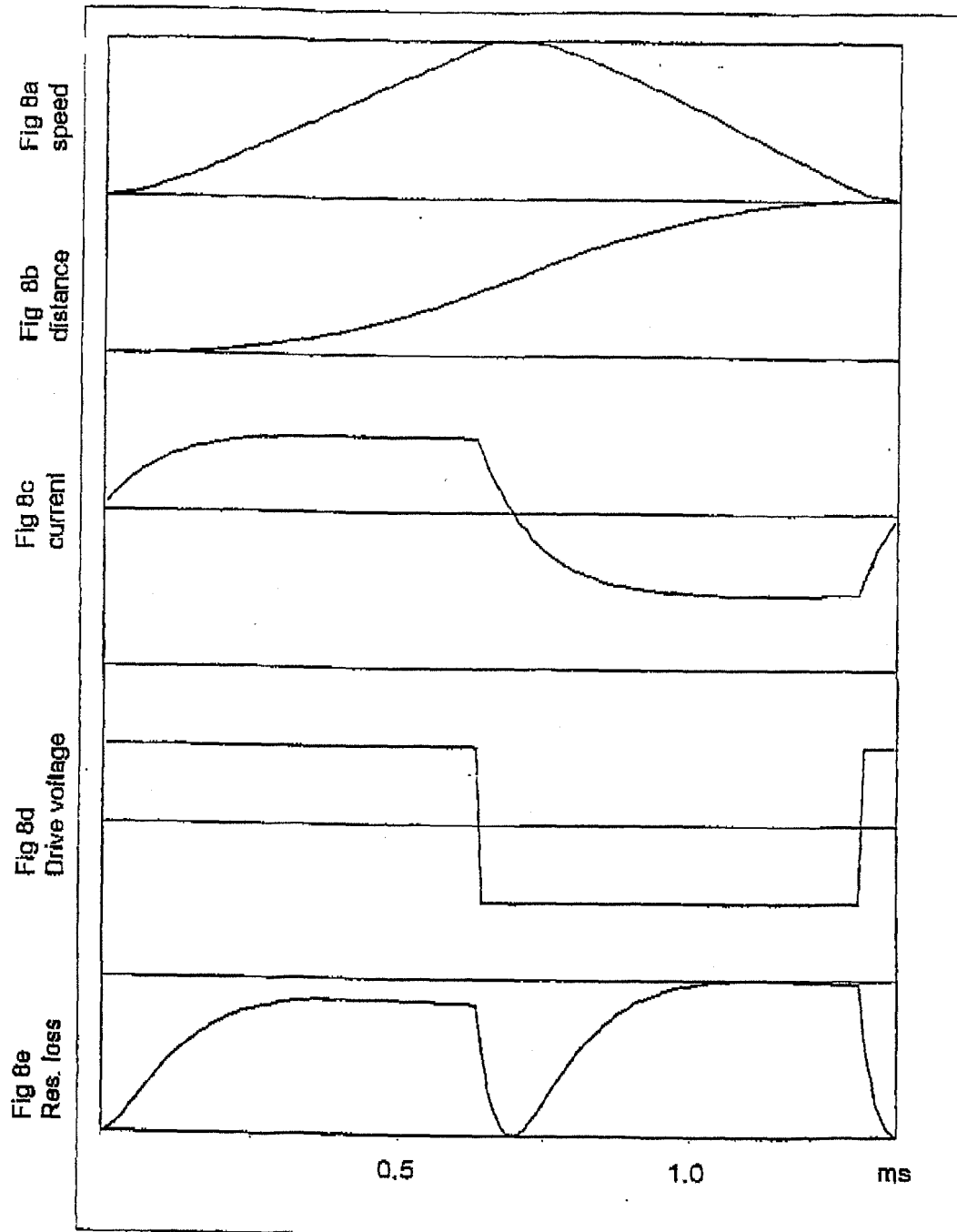


dist = 0.2 rad

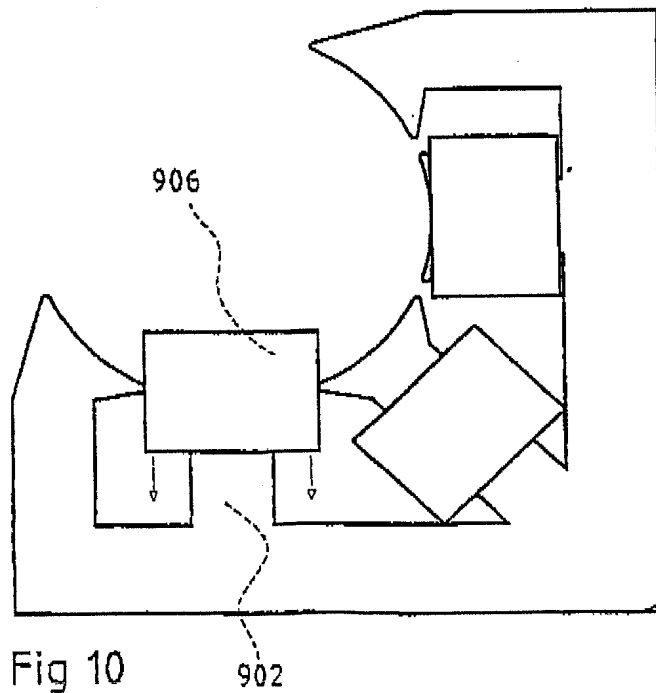
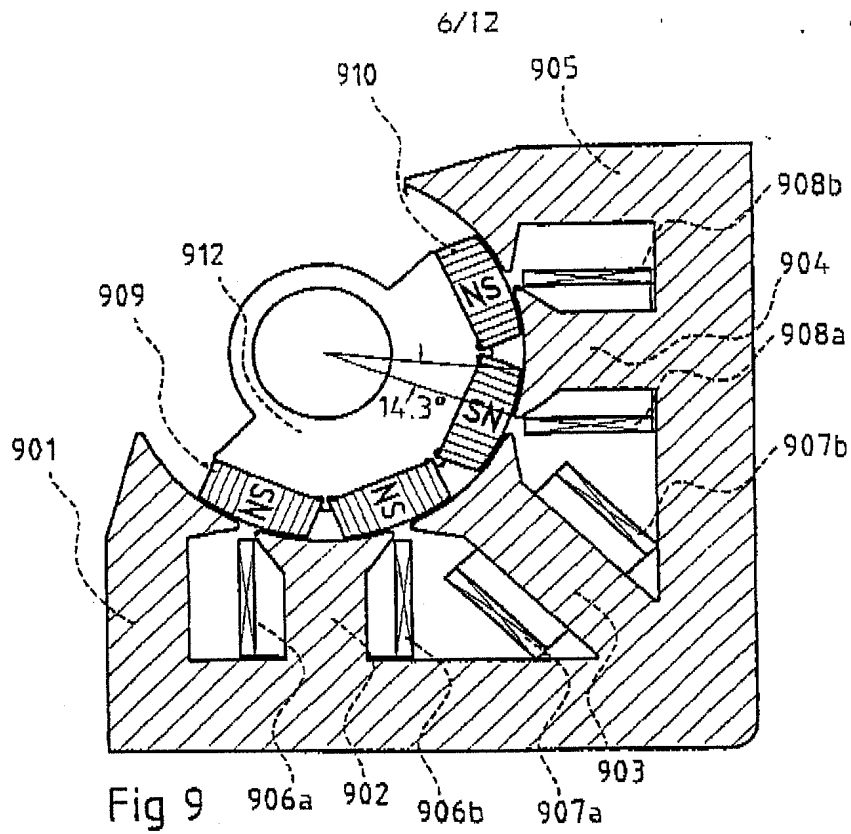
t = 9.0ms

Loss = 2.6mJ

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dist = 0.004 rad    t = 1.34 ms    Loss = 0.33 mJ



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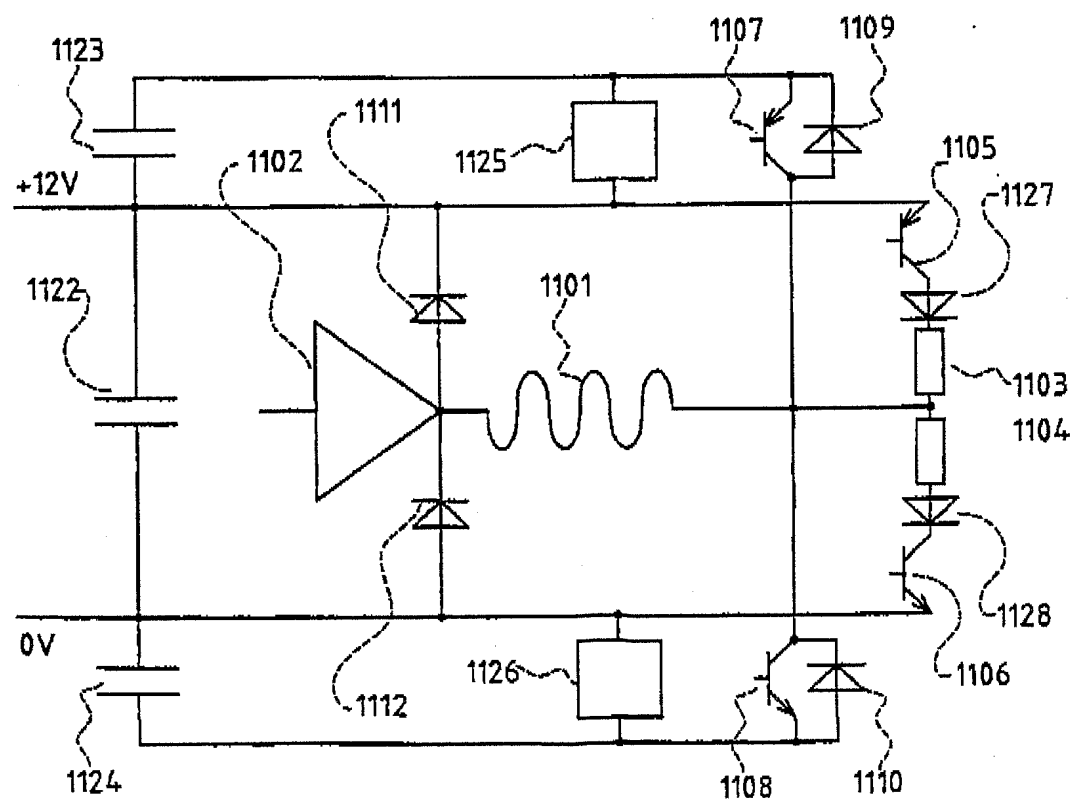
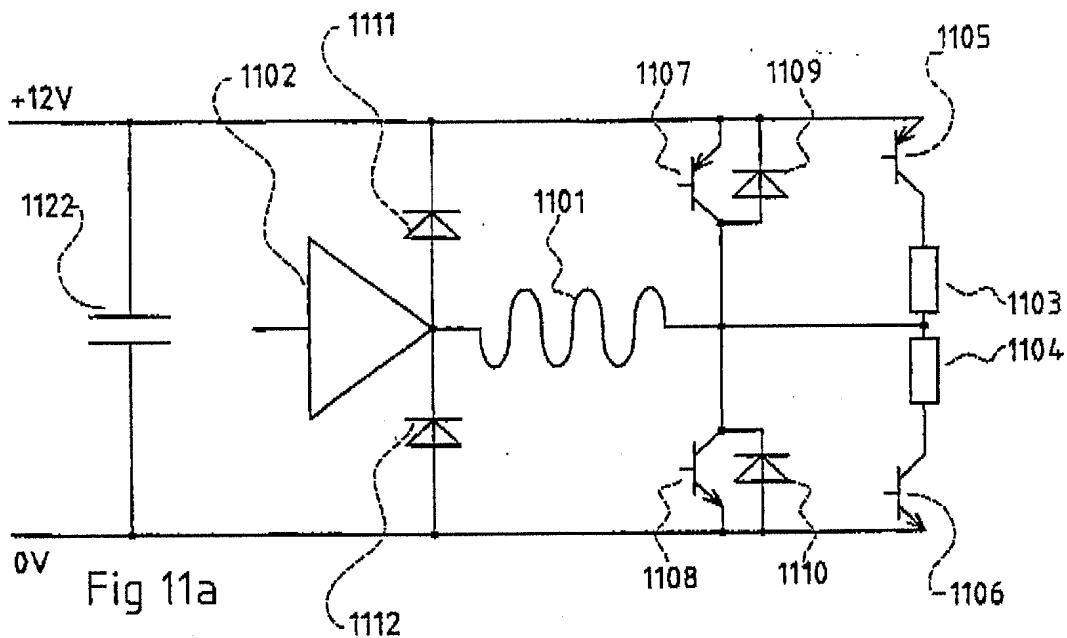


Fig 11b

Fig 11a

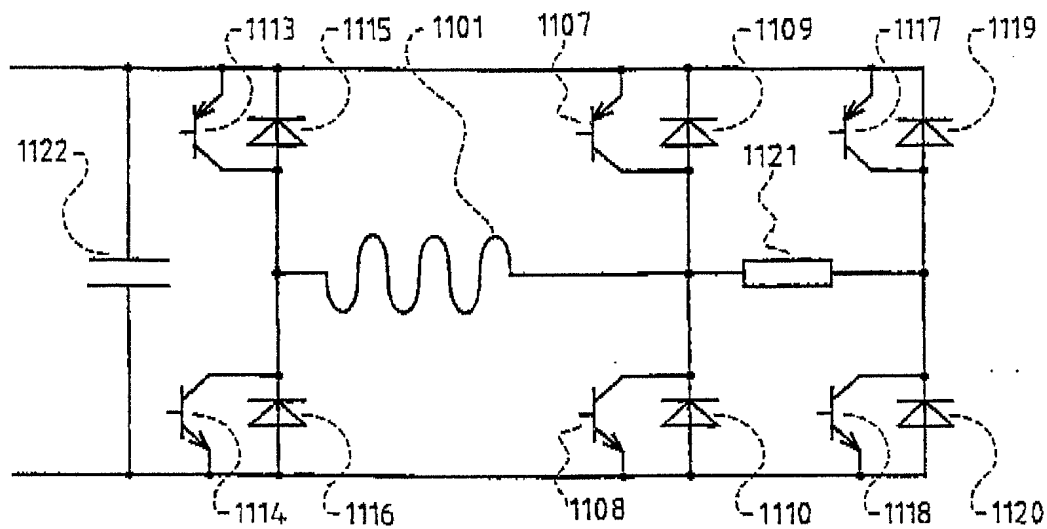
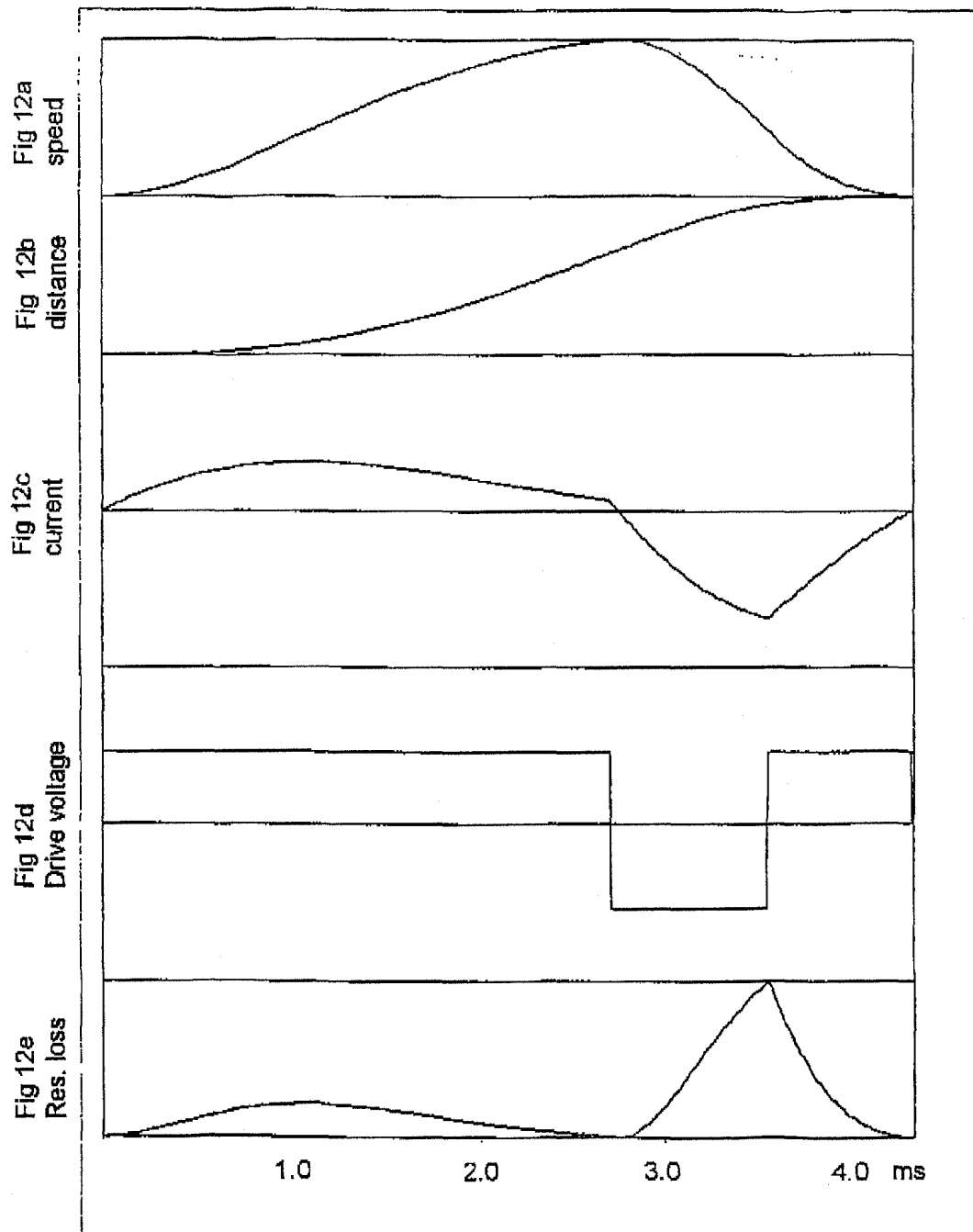


Fig 11c

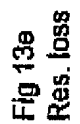


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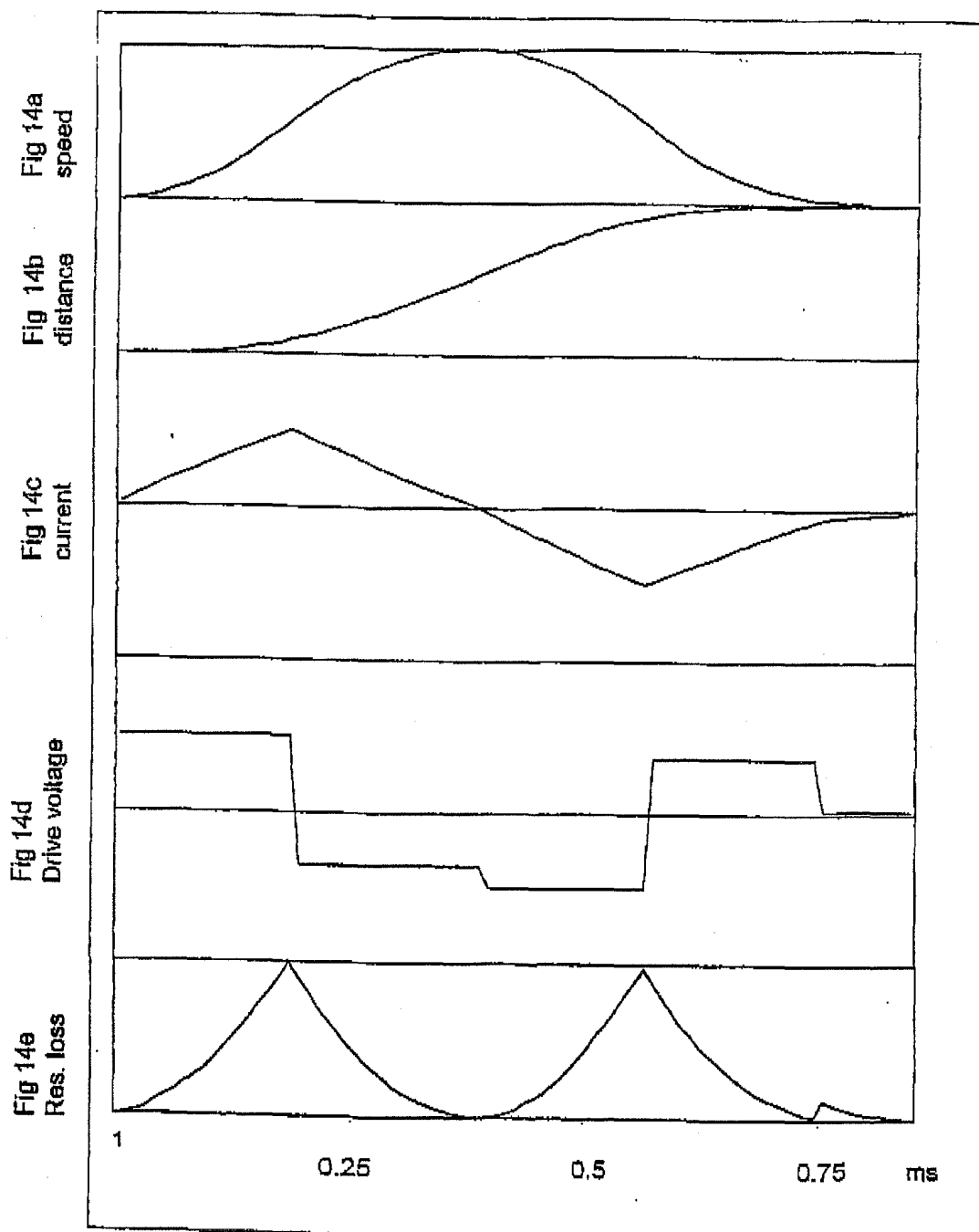
dist = 0.200 rad    t = 4.33ms    Loss = 41.89 mJ

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dist = 0.200 rad      t = 4.5ms      Loss = 3.2mJ

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dist = 0.004 rad    t = 0.89ms    Loss = 0.31mJ

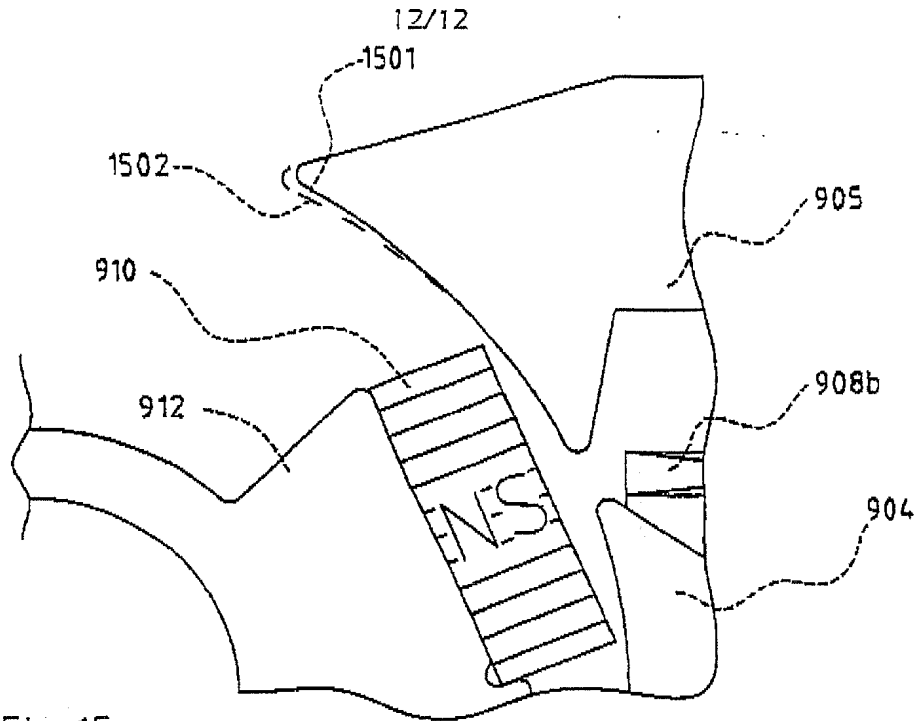


Fig 15

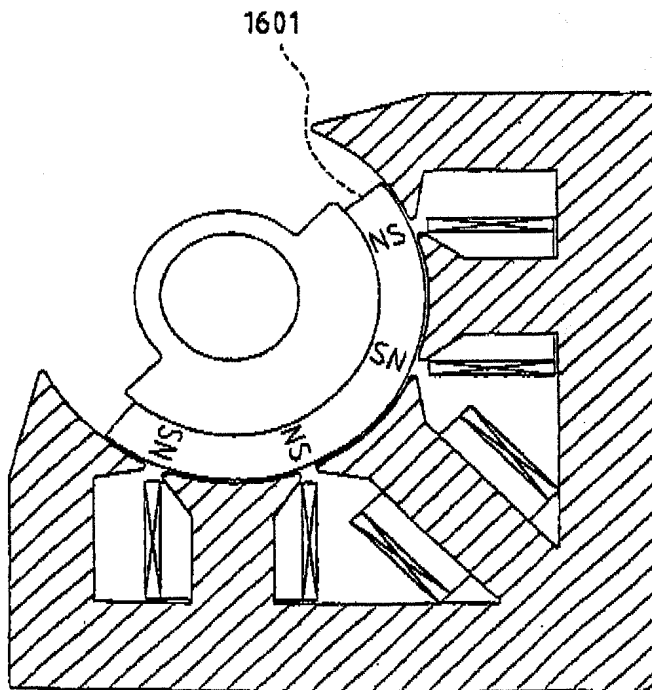


Fig 16